PTQ/SB/05 (08-03)

Approved for use through 07/31/2008. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. UTILITY Avto Tavkhelidze PATENT APPLICATION First Inventor Vacuum Diode Device with Electrodes Thermionic Adjustable TRANSMITTAL Title ET 957705318 US (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandrie VA 22313-1459 **APPLICATION ELEMENTS** ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) 1. (Submit an original and a duplicate for fee processing) Computer Program (Appendix) 2. 🗹 Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Computer Readable Form (CRF) 3. Specification [Total Pages_ (preferred errangement set forth below) - Descriptive title of the Invention Specification Sequence Listing on: Cross Reference to Related Applications Statement Regarding Fed sponsored R & D
 Reference to asquence listing, a table, I. CD-ROM or CD-R (2 copies); or or a computer program listing appendix ii. Paper Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (If filed) c. Statements verifying identity of above copies - Detailed Description ACCOMPANYING APPLICATION PARTS - Claim(s) - Abstract of the Disclosure Assignment Papers (cover sheet & document(s))
37 CFR 3.73(b) Statement Power of Drawing(s) (35 U.S.C. 113) [Total Sheets _ 10. Attorney (when there is an assignee) 5. Oath or Declaration [Total Sheets English Translation Document (if epplicable) a. Newly executed (original or copy) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations b. Copy from a prior application (37 CFR 1.63(d)) Preliminary Amendment
Return Receipt Postcard (MPEP 503) (for continuation/divisional with Box 18 completed) 14. 🗹 (Should be specifically itemized) I. DELETION OF INVENTOR(S) Certified Copy of Priority Document(s) Signed statement attached deleting inventor(s) (if foreign priority is claimed) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Application Data Sheet. See 37 CFR 1.78 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) of prior application No.:09/481.803..... Continuation Divisional 19. CORRESPONDENCE ADDRESS OR Correspondence address below Customer Number: Name Borealis Technical Limited 23545 NW Skyline Blvd Address State OR Zip Code Citv North Plains 97133-9204 Telephone +1.503,621.3286 Country US +1.503.821.3425 Registration No. (Attorney/Agent) Name (Print/Type) Avto Thvkhslidze Date Signeture 04-12-2004

This collection of Information is required by 33 GFR 1.53(b). The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiping is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sant to the Chief Information Officer, U.S. Petern and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandris, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandris, VA 22313-1450.

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PTO/SB/17 (10-03)

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Under the Penerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Application Number 04/12/2004 Filing Date for FY 2004 Avto Tavkhelidze First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. **Examiner Name** X Applicant claims small entity status. See 37 CFR 1.27 Art Unit **TOTAL AMOUNT OF PAYMENT** (\$) 428.00 Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3. ADDITIONAL FEES Money Order Check X Credit card Other None <u>Large Entity a Small Entity</u> Deposit Account: Fee (\$) Fee Code Fee Description Denosit Code Fee Paid Account 2051 65 Surcharge - late filing fee or oath 1051 130 Number Surcharge - late provisional filing fee or Degosit 1052 50 2052 cover sheet Name 130 Non-English specification 1053 130 1053 Director is authorized to: (check <u>ell that apply)</u> 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 Charge fee(s) indicated below Credit any overpayments 920° Requesting publication of SIR prior to 1804 920 1804 Charge any additional fee(s) or any underpayment of fee(s) Examiner action Charge fee(s) indicated below, except for the filing fee Requesting publication of SIR after 1805 1.840 1805 1.840° Examiner action to the above-identified deposit account. Extension for reply within first month 1251 110 2251 55 **FEE CALCULATION** 210 Extension for reply within second month 1252 420 2252 1. BASIC FILING FEE 2253 475 Extension for reply within third month 1253 950 arge Entity Small Entity Fee Paid Fee Description 1254 1.480 2254 740 Extension for reply within fourth month 1,005 Extension for reply within fifth month 2255 1255 2,010 1001 770 2001 385 Utility filing fee 385 1401 330 2401 165 Notice of Appeal 1002 340 2002 170 Design filing fee 165 Filing a brief in support of an appeal 1402 330 2402 2003 269 Plant filing fee 1003 530 290 145 Request for oral hearing 1403 2403 1004 770 2004 385 Reissue filing fee 1,510 Petition to institute a public use proceeding 1451 1.510 1451 1005 160 2005 Provisional filing fee 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) (\$) 385.00 1453 1,330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 2501 665 Utility issue fee (or reissue) 1501 1,330 2502 240 Design Issue fee Extra Claims 1502 460 20 **Total Claims** X -20** = 2503 320 Plant issue fee 1503 840 Independent 43 X 130 Petitions to the Commissioner 1460 130 1460 Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) erge Entity Small Entity 180 Submission of Information Disclosure Stmt 160 1806 1806 Fee Description 40 Recording each patent assignment per Code (\$) Code (\$) 40 8021 8021 property (times number of properties) Claims in excess of 20 1202 18 2202 385 Filing a submission after final rejection (37 CFR 1.129(a)) 770 2809 1809 43 Independent claims in excess of 3 1201 88 2201 1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) Reissue Independent claims 1204 2204 88 770 385 Request for Continued Examination (RCE) over original patent 1801 2801 1802 900 1802 900 Request for expedited examination Relasue claims in excess of 20 1205 2205 9 18 of a design application and over original patent Other fee (specify) (\$) 43.00 SUBTOTAL (2) *Reduced by Basic Filing Fee Paid **SUBTOTAL (3)** (\$) **or number previously paid, if greater; For Reisauss, see above (Complete (if applicable)) SUBMITTED BY Registration No. Telephone (503) 621-3286 Taykhelidze Name (Print/Type) Avto

(Attorney/Agent) 04/12/2004 Signature

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